IN THE CLAIMS

Please amend claims 1 and 78. All claims are reproduced below.

1. (Currently amended) A printer for printing time-based media, the printer comprising:

  a communication interface for receiving time-based media data from a media source;

  a processor for performing a multimedia function on the time-based media data to <u>automatically</u> identify a portion of the time-based media data corresponding to criteria received from a user;

  a user interface, communicatively coupled to the processor, including:

      a display, for providing data to the user;

      an input device, for receiving ~~data~~ <u>the criteria</u> from the user;

  a first output device for receiving the identified portion of the time-based media data from the processor and <u>automatically</u> producing output on a printer; and

  a second output device coupled to the processor for receiving the identified portion of the time-based media and producing an electronic output ~~from the image~~ <u>including the identified portion of the time-based media</u>.

2. (Original) The printer of claim 1 wherein the multimedia function includes selecting a range of audio data in response to received input from the user.

3. (Original) The printer of claim 1 wherein the multimedia function includes applying audio event detection to the time-based media data.

4. (Original) The printer of claim 3 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.

5. (Original) The printer of claim 1 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.

6. (Original) The printer of claim 1 or 5 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.

7. (Original) The printer of claim 1 wherein the multimedia function includes applying a sound source localization function to the time-based media data.

8. (Original) The printer of claim 7 wherein the multimedia function further includes applying audio event detection to the time-based media data.

9. (Original) The printer of claim 1 wherein the multimedia function includes applying a speech recognition function to the time-based media data.

10. (Original) The printer of claim 9 wherein the multimedia function includes applying a profile analysis function to the time-based media data.

11. (Original) The printer of claim 9 wherein the multimedia function includes applying an audio event detection function to the time-based media data.

12. (Original) The printer of claim 11 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.

13. (Original) The printer of claim 11 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.

14. (Original) The printer of claim 11 wherein the multimedia function further includes applying a sound localization function to the time-based media data.

15. (Original) The printer of claim 1 wherein the multimedia function includes selecting a range of video data in response to received input from the user.

16. (Original) The printer of claim 1 wherein the multimedia function includes applying a video event detection function to the time-based media data.

17. (Original) The printer of claim 1 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.

18. (Original) The printer of claim 1 wherein the multimedia function includes applying a face detection function to the time-based media data.

19. (Original) The printer of claim 18 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.

20. (Original) The printer of claim 1 wherein the multimedia function includes applying a face recognition function to the time-based media data.

21. (Original) The printer of claim 1 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

22. (Original) The printer of claim 21 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.

23. (Original) The printer of claim 1 wherein the multimedia function includes applying a motion analysis function to the time-based media data.

24. (Original) The printer of claim 1 or claim 23 wherein the multimedia function includes applying a distance estimation function to the time-based media data.

25. (Original) The printer of claim 1 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.

26. (Original) The printer of claim 1 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.

27. (Previously presented) The printer of claim 26 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

28. (Original) The printer of claim 26 wherein the multimedia function further includes applying a face detection function to the time-based media data.

29. (Original) The printer of claim 26 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

30. (Original) The printer of claim 29 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

31. (Original) The printer of claim 29 wherein the multimedia function includes applying a face detection function to the time-based media data.

32. (Original) The printer of claim 1 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.

33. (Original) The printer of claim 32 wherein the multimedia function further

includes applying a motion analysis function to the time-based media data.

34. (Original) The printer of claim 1 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.

35. (Original) The system of claim 1 wherein the multimedia function includes applying a visual inspection function to the time-based media data.

36. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a compact disc (CD) device.

37. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a digital video disc (DVD) device.

38. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control an audio tape device.

39. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a video tape device.

40. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a multimedia server.

41. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control encryption hardware.

42.   (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control audio sound localization hardware.

43. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control motion detection hardware.

44. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a MIDI player.

45. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a cellular telephone.

46. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a two-way radio.

47. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a world wide web display.

48. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a climate sensor.

49. (Original) The printer of claim 1 wherein the user interface is configured to allow a user to control a radio receiver.

50. (Original) The printer of claim 1 wherein the processor is further configured to display results of the multimedia function on the display of the user interface.

51. (Original) The printer of claim 1 wherein the second output device is a DVD drive.

52. (Original) The printer of claim 1 wherein the second output device is a CD drive.

53. (Original) The printer of claim 1 wherein the second output device is an audio tape drive.

54. (Original) The printer of claim 1 wherein the second output device is a video cassette device.

55. (Original) The printer of claim 1 wherein the second output device is a removable media device.

56. (Original) The printer of claim 1 wherein the second output device is an embedded audio recorder.

57. (Original) The printer of claim 1 wherein the second output device is an embedded video recorder.

58. (Original) The printer of claim 1 wherein the second output device is a non-volatile storage device.

59. (Original) The printer of claim 1 wherein the second output device is an embedded multimedia server.

60. (Original) The printer of claim 1 wherein the second output device is audio encryption hardware.

61. (Original) The printer of claim 1 wherein the second output device is video encryption hardware.

62. (Original) The printer of claim 1 wherein the second output device is audio sound localization hardware.

63. (Original) The printer of claim 1 wherein the second output device is a cellular telephone.

64. (Original) The printer of claim 1 wherein the second output device is a two-way radio.

65. (Original) The printer of claim 1 wherein the second output device is a world-wide web display.

66. (Original) The printer of claim 1 wherein the second output device is a radio receiver for receiving AM signals.

67. (Original) The printer of claim 1 wherein the second output device is a radio receiver for receiving FM signals.

68. (Original) The printer of claim 1 wherein the second output device is a radio receiver for receiving short wave signals.

69. (Original) The printer of claim 1 wherein the second output device is a satellite radio receiver.

70. (Original) The printer of claim 1 wherein the second output device is a weather alert receiver.

71. (Original) The printer of claim 1 wherein the second output device is an emergency alert monitor for receiving emergency broadcast system alerts.

72. (Original) The printer of claim 1 wherein the second output device is hardware for performing VGA screen captures.

73. (Original) The printer of claim 1 wherein the second output device is hardware for performing audio capture.

74. (Original) The printer of claim 1 wherein the second output device is hardware for capturing data from an electronic pen.

75. (Original) The printer of claim 1 wherein the second output device is a disposable media writer.

76. (Original) The printer of claim 1 wherein the second output device is a flash memory device.

77. (Original) The printer of claim 1 wherein the second output device is a wireless device.

78. (Currently amended) A method for printing time-based media, the method comprising:

> receiving time-based media data from a media source;
>
> receiving a user selection of a multimedia function, the multimedia function
>> including criteria to be applied <u>automatically</u> to time-based media data;
>
> performing the multimedia function on the time-based media data to
>> <u>automatically</u> identify a portion of the time-based media data matching the
>> included criteria;
>
> <u>automatically</u> producing output on a printer from the identified portion of the
>> time-based media data; and
>
> producing an electronic output of the identified portion of the time-based media
>> data.

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79. (Original) The method of claim 78 wherein the multimedia function includes selecting a range of audio data in response to received input from the user.

80. (Previously presented) The method of claim 78 wherein the multimedia function includes applying audio event detection to the time-based media data.

81. (Original) The method of claim 80 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.

82. (Original) The method of claim 78 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.

83. (Original) The method of claim 78 or 82 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.

84. (Original) The method of claim 78 wherein the multimedia function includes applying a sound source localization function to the time-based media data.

85. (Original) The method of claim 84 wherein the multimedia function further includes applying audio event detection to the time-based media data.

86. (Original) The method of claim 78 wherein the multimedia function includes applying a speech recognition function to the time-based media data.

87. (Original) The method of claim 86 wherein the multimedia function includes applying a profile analysis function to the time-based media data.

88. (Original) The method of claim 86 wherein the multimedia function includes applying an audio event detection function to the time-based media data.

89. (Original) The method of claim 88 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.

90. (Original) The method of claim 88 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.

91. (Original) The method of claim 88 wherein the multimedia function further includes applying a sound localization function to the time-based media data.

92. (Original) The method of claim 78 wherein the multimedia function includes selecting a range of video data in response to received input from the user.

93. (Original) The method of claim 78 wherein the multimedia function includes applying a video event detection function to the time-based media data.

94. (Original) The method of claim 78 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.

95. (Original) The method of claim 78 wherein the multimedia function includes applying a face detection function to the time-based media data.

96. (Original) The method of claim 95 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.

97. (Original) The method of claim 78 wherein the multimedia function includes applying a face recognition function to the time-based media data.

98. (Original) The method of claim 78 wherein the multimedia function includes

applying an optical character recognition function to the time-based media data.

99. (Original) The method of claim 98 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.

100. (Original) The method of claim 78 wherein the multimedia function includes applying a motion analysis function to the time-based media data.

101. (Original) The method of claim 78 or claim 100 wherein the multimedia function includes applying a distance estimation function to the time-based media data.

102. (Original) The method of claim 78 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.

103. (Original) The method of claim 78 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.

104. (Previously presented) The method of claim 103 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

105. (Original) The method of claim 103 wherein the multimedia function further includes applying a face detection function to the time-based media data.

106. (Original) The method of claim 103 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

107. (Original) The method of claim 106 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

108. (Original) The method of claim 106 wherein the multimedia function includes applying a face detection function to the time-based media data.

109. (Original) The method of claim 78 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.

110. (Original) The method of claim 109 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.

111. (Original) The method of claim 78 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.

112. (Original) The method of claim 78 wherein the multimedia function includes applying a visual inspection function to the time-based media data.